

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>	
(Only for new nonprovisional applications under 37 CFR 1.53(b))	

Attorney Docket No. 250907-1160

First Inventor Wu et al.

Title **METHOD AND APPARATUS FOR I/Q MISMATCH  
CALIBRATION OF TRANSMITTER**

Express Mail Label No. EV269334220US

PTO  
10/04/03  
3913-1045104  
08/21/03

**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2.  Applicant claims small entity status. See CFR 1.27

3.  Specification [Total Pages 37]

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed. Sponsored R&D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 USC 113) [Total Sheets 5]

5. Oath or Declaration [Total Pages 2]

a.  Newly Executed (original or copy)

b.  Copy from a prior application (37 CFR §1.63(d))  
(for continuation/divisional with Box 18 completed)

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

Assignee  
Name and Address  
(if applicable)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No: /

*Prior application information: Examiner \_\_\_\_\_*

*Group / Art Unit: \_\_\_\_\_*

For CONTINUATION OR DIVISIONAL APPS only: the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label 24504  
(Insert Customer No. or Attach bar code label here) or  Correspondence address below

NAME	Daniel R. McClure Thomas, Kayden, Horstemeyer & Risley, L.L.P.		
ADDRESS	100 Galleria Parkway Suite 1750		
CITY	Atlanta	STATE	Georgia
COUNTRY	U.S.A.	TELEPHONE	770-933-9500

Name (Print/Type)	Daniel R. McClure	Registration No. (Attorney/Agent)	38,962
Signature			Date Aug 21, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.22 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

17691  
80/12/00  
U. S. PTOFEE TRANSMITTAL  
for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revisions.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 451.00)

Complete If Known	
Application Number	Unassigned
Filing Date	August 21, 2003
First Named Inventor	Wu et al.
Examiner Name	Unassigned
Group / Art Unit	Unassigned
Attorney Docket No.	250907-1160

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None

Deposit Account

Deposit Account Number

20-0778

Deposit Account Name

Thomas, Kayden, Horstemeyer Risley, L.L.P.

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375			Utility Filing Fee	375
1002	330	2002	165			Design Filing Fee	
1003	520	2003	260			Plant Filing Fee	
1004	750	2004	375			Reissue Filing Fee	
1005	160	2005	80			Provisional Filing Fee	
SUBTOTAL (1)		(\$375)					

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims	Fee From Below	Fee Paid
24 - 20** = 4	X 9.00 = 36	
2 - 3** = 0	X 42.00 = 0	
0	140.00 = 0	

Total Claims

Independent Claims

Multiple Dependent

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1202	18	2202	9			Claims in excess of 20	
1201	84	2201	42			Independent claims in excess of 3	
1203	280	2203	140			Multiple dependent claim, if not paid	
1204	84	2204	42			**Reissue independent claims over original patent	
1205	18	2205	9			**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		(\$36)					

\*\*or number previously paid, if greater; For Reissues, see above

## FEES CALCULATION (continued)

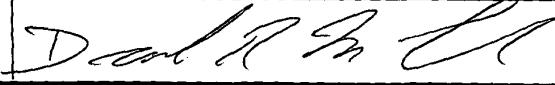
## 3. ADDITIONAL FEES

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1051	130		2051		65 Surcharge-late filing fee or oath	
	1052	50		2052		25 Surcharge-late provisional filing fee or cover sheet	
	1053	130		1053		130 Non-English specification	
	1812	2,520		1812		2,520 For filing a request for ex parte reexamination	
	1804	920*		1804		920* Requesting publication of SIR prior to Examiner action	
	1805	1,840*		1805		1,840* Requesting publication of SIR after Examiner action	
	1251	110		2251		55 Extension for reply within first month	
	1252	410		2252		205 Extension for reply within second month	
	1253	930		2253		465 Extension for reply within third month	
	1254	1,450		2254		725 Extension for reply within fourth month	
	1255	1,970		2255		985 Extension for reply within fifth month	
	1401	320		2401		160 Notice of Appeal	
	1402	320		2402		160 Filing a brief in support of an appeal	
	1403	280		2403		140 Request for oral hearing	
	1451	1,510		1451		1,510 Petition to institute a public use proceeding	
	1452	110		2452		55 Petition to revive-unavoidable	
	1453	1,300		2453		650 Petition to revive-unintentional	
	1501	1,300		2501		650 Utility issue fee (or reissue)	
	1502	470		2502		235 Design issue fee	
	1503	630		2503		315 Plant issue fee	
	1460	130		1460		130 Petitions to the Commissioner	
	1807	50		1807		50 Processing fee for provisional application	
	1806	180		1806		180 Submission of Information Disclosure Stmt	
	8021	40		8021		40 Recording each patent assignment per property (times number of properties)	40
	1809	750		2809		375 Filing a submission after final rejection (37 CFR § 1.129(a))	
	1610	750		2810		375 For each add. invention to be examined (37 CFR 1.129(b))	
	1801	750		2801		375 Request for Continued Examination (RCE)	
	1802	900		1802		900 Request for expedited exam. of a design application	
Other fee (specify)		SUBTOTAL (3) (\$ 40)					

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Complete (if applicable)

Typed or Printed Name Signature	Daniel R. McClure	Registration No. 38,962	Telephone Number	770-933-9500
			Date	Aug 21, 2003

WARNING: Information on this form may become public. Credit Card Information should not be included on this form. Provide credit card information and authorization on PTO-2038

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 USC 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

In re: **Wu et al.**

For: **Method and Apparatus for I/Q Mismatch Calibration of Transmitter**

**CERTIFICATE OF EXPRESS MAIL**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard  
Utility Patent Application Transmittal Page  
Fee Transmittal Page  
Utility Patent Application Consisting Of:  
25 Pages of Specification  
11 Pages of Claims (Claims 1-24)  
1 Page of Abstract  
5 Pages of Formal Drawings (Figs. 1-3C)  
Declaration (executed)  
Credit Card Authorization Form (Amount: \$451.00)  
Assignment/Recordation Form Cover Sheet  
IDS/PTO Form 1449/Cited Reference

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

**Daniel R. McClure, Reg. No. 38,962**



**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**  
100 Galleria Parkway, N.W.  
Suite 1750  
Atlanta, Georgia 30339-5948

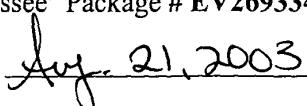
Our Docket No: **250907-1160**

---

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EV269334220US**.

Date:



  
**Hui Chin Barnhill**